



## SEQUENCE LISTING

<110> ZHAO, QINJIAN  
SITRIN, ROBERT  
ABRAHAM, DICKY G.  
GERVAIS, DAVID P.  
GIMINEZ, JUAN  
WANG, YANG

<120> IMPROVED RECOMBINANT HEPATITIS B SURFACE  
ANTIGEN

<130> 20369Y

<140> 09/469,485

<141> 1999-12-22

<150> 60/113,400

<151> 1998-12-23

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 4

<212> PRT

<213> Hepatitis B

<220>

<221> VARIANT

<222> (1)...(4)

<223> Xaa = Any Amino Acid

<400> 1

Cys Xaa Tyr Cys

1

<210> 2

<211> 4

<212> PRT

<213> Hepatitis B

<400> 2

Cys Lys Thr Cys

1

<210> 3

<211> 351

<212> DNA

<213> Mouse

<400> 3

gacattgtgc	tgaccagtc	tccagcaatc	atgtctgcat	ctccagggga	gaaggtcacc	60
atgacctgca	gtgccagctc	aagtgtgaagt	tacatgtact	ggtaccagca	gaagccagga	120
tcctccccc	gactcctgat	ttttgacaca	tccaacctgc	cttctggagt	ccctgttcgc	180
ttcagtggca	gtgggtctgg	gacctcttac	tctctcacia	tcagccgaat	ggaggctgaa	240
gatgctgcc	cttattactg	ccagcggtgg	agtacttacc	cacccatcac	gttcggaggg	300
gggaccaa	ac	tggaataaa	acgggctgat	gctgcacaa	ctgtatccat	351

<210> 4

RECEIVED  
SEP 06 2001  
TECH CENTER 1600/2900

<211> 345  
 <212> DNA  
 <213> Mouse

<400> 4  
 gatgtgcac ttcaggagtc gggacctgag ctggtgaagc ctgggggcttc agtgaagata 60  
 tcctgcaagg cttctggcta ctccttcatt gaccactata taaactgggt gaagcagaag 120  
 cctggacagg gacttgagtg gattggatgc ttttttcctg gaagcggtaa tagtaagtac 180  
 attgagaact tcagggggcaa ggccacattg actgtagaca catcctccag tacagcctac 240  
 atgcagctca gcagcctgac atctgaggac actgctgtct atttctgtgc aagggatgat 300  
 tccgacggag ctatggacta ctggggtcaa ggaacctcag tcacc 345